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(71) Applicant (for all designated States except US): PLATYPUS TECHNOLOGIES, LLC [US/US]; 505 South Rosa Road, Madison, WI 53719 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): MURPHY, Christopher [US/US]; 1509 Wood Lane, Madison, WI 53705 (US). ISRAEL, Barbara [US/US]; 503 Viking Road, Mt. Horeb, WI 53572 (US). ABBOTT, Nicholas [US/US]; 2120 Jefferson Street, Madison, WI 53711 (US).

(74) Agents: JONES, J., Mitchell et al; Medlen & Carroll, LLP, 101 Howard Street, Suite 350, San Francisco, CA 94105 (US).

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(54) Title: SUBSTRATES, DEVICES, AND METHODS FOR CELLULAR ASSAYS

(57) Abstract: The present invention relates to the field of molecular diagnostics, and in particular to diagnostics based on a liquid crystal assay format. In particular, the present invention provided improved substrates and methods of using liquid crystal assays for quantitating the amount of an analyte in a sample. The present invention also provides materials and methods for detecting non-specific binding of an analyte to a substrate by using a liquid crystal assay format.